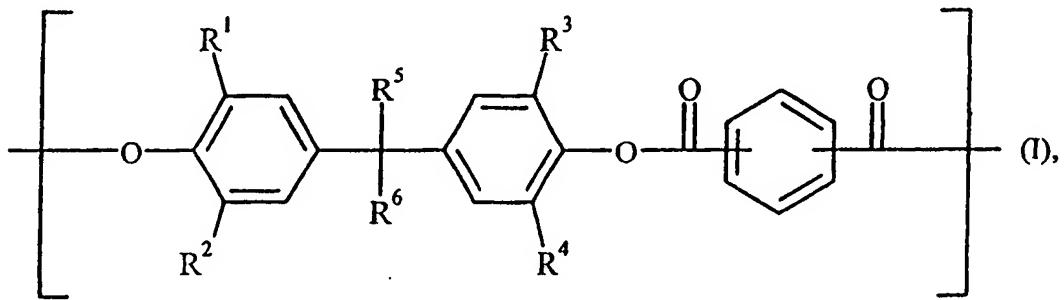


Amendments To The Claims

This Listing Of Claims will replace all prior versions, and listings, of claims in this application:

Listing Of Claims:

Claim 1(Previously Presented): A thermoformed diaphragm made of cast of polyarylate film, at least comprising one polyarylate having a structural unit of the formula:



where each of R¹, R², R³, and R⁴, independently of the others, is hydrogen, C₁₋₄-alkyl, C₁₋₄-alkoxy, or halogen, and each of R⁵ and R⁶, independently of the other, is hydrogen, C₁₋₄-alkyl, C₁₋₄-alkoxy, phenyl, or halogen.

Claim 2 (Previously Presented): The thermoformed diaphragm as claimed in claim 1, wherein R¹ = R² and R³ = R⁴, and each, independently of the others, is hydrogen or C₁₋₄-alkyl.

Claim 3 (Previously Presented): The thermoformed diaphragm as claimed in claim 2, wherein R¹ = R² and R³ = R⁴, and are each hydrogen or C₁₋₄-alkyl.

Claim 4 (Previously Presented): The thermoformed diaphragm as claimed in claim 1, wherein each of R⁵ and R⁶, independently of the other is C₁₋₄-alkyl.

Claim 5 (Previously Presented): The thermoformed diaphragm as claimed in claim 4 has a thickness of from 5 to 200 μm .

Claim 6 (Previously Presented): A process comprising utilizing the thermoformed diaphragms as claimed in claim 5 as diaphragms for acoustic transducers for acoustic applications.

Claim 7 (Previously Presented): The process as claimed in claim 6 in microphone capsules, mobile telephones, hands-free systems, radio sets, hearing devices, headphones, microradios, computers, PDAs, and/or signal generators.

Claims 8 to 12 (Cancelled).

Claim 13 (Withdrawn): A process for producing thermoformed diaphragms as claimed in claim 1 from cast polyarylate films that also contain a dye and/or a nonionic polyol surfactant wherein the cast polyarylate films are heated through irradiation with infrared light, where appropriate after a preparatory process and are then deformed by means of thermoforming to give diaphragms, and then, where appropriate, subjected to finishing processes.

Claim 14 (Withdrawn): The process for producing cast polyarylate films as claimed in claim 8 wherein the polyarylate casting solution are applied to a substrate, are peeled away from this substrate after a predrying period, and are then dried fully.

Claim 15 (Withdrawn): The process as claimed in claims 14, wherein the polyarylate casting solutions are applied to a continuous substrate.

Claim 16 (Withdrawn): The process as claimed in claim 14, wherein the polyarylate casting solutions are applied to an intermediate film conducted on the

substrate and/ after a predrying period, are peeled away together with the intermediate film from this substrate, and are then dried fully.

Claim 17 (Withdrawn): The process as claimed in claim 16, wherein the intermediate film used comprises a polyethylene terephthalate film.

Claim 18 (Withdrawn): The process as claimed in claim 17, wherein the average thickness of the cast polyarylate films after final drying is from 5 to 200 μm .

Claim 19 (Withdrawn): The process as claimed in claim 14 wherein a solution-application or lamination process is utilized to coat the cast polyarylate films.

Claim 20 (Previously Presented): The thermoformed diaphragm as claimed in Claim 4, wherein each of R^5 and R^6 is methyl.

Claim 21 (Previously Presented): The thermoformed diaphragm as claimed in claim 3, wherein each of R^5 and R^6 , independently of the other, is C_{1-4} -alkyl.

Claim 22 (Previously Presented): The thermoformed diaphragm as claimed in claim 5 has a thickness of 5 to 100 μm .

Claim 23 (Previously Presented): The thermoformed diaphragm as claimed in claim 1 has a thickness of from 5 to 200 μm .

Claim 24 (Previously Presented): The process as claimed in claim 5, wherein the thermoformed diaphragms are utilized as microphone diaphragms and/or loudspeaker diaphragms.

Claim 25 (Previously Presented): The process comprising utilizing the thermoformed diaphragms as claimed in claim 1 as diaphragms for acoustic transducers for acoustic applications.

Claims 26 to 34 (Cancelled).

Claim 35 (New): The thermoformed diaphragm as claimed in claim 1, wherein R¹, R², R³ and R⁴ are each hydrogen and R⁵ and R⁶ are each methyl.

Claim 36 (New): The thermoformed diaphragm as claimed in claim 1 that also includes additives that is a dye from the group "C.I. Solvent Yellow 93", "Solvent Yellow 202" or "Macrolex[®] Orange R", and/or a nonionic polyol surfactant.